inf705 - Practical in Computer Science Education

Module label: Practical in Computer Science Education
Module code: inf705
Credit points: 6.0 KP
Workload: 180 h

Used in course of study: Master's Programme Computing Science > Technische Informatik

Contact person

Module responsibility
- Ira Diethelm
- Die im Modul Lehrenden

Authorized examiners
- Ira Diethelm
- Die im Modul Lehrenden

Entry requirements

Skills to be acquired in this module

Professional competence
The students:
- know hard- and software system engineering approaches and use them in practice
- make a qualified and contextual choice of hard- and software designing approaches
- characterise and consider challenges of soft- and hardware systems in education

Methodological competence
The students:
- know engineering approaches and use them in new contexts
- evaluate decision making concepts and use them in different domains

Social competence
The students:
- cooperate with team members during the development process
- recognise package tasks and resume their responsibilities
- analyse team conflicts and resolve them
- document the software development process in a team
- moderate team meetings and decision making processes appropriately

Self-competence
The students:
- reflect their self-perception with regard to the implementation of software systems

Module contents
A hard- or software system for education will be designed in this practical course. The requirements analysis of hard- or software systems and the dealing with customers are the main topics of this practical course.

Reader's advisory
As announced in course

Links

Language of instruction: German
Duration (semesters): 1 Semester
Module frequency: jährlich
Module capacity: unlimited
Module level: AS (Akzentsetzung / Accentuation)
Module type: je nach Studiengang Pflicht oder Wahlpflicht

Lern-/Lehrform / Type of program: P
Vorkenntnisse / Previous knowledge

Examination
Final exam of module
Time of examination: At the end of the semester
Type of examination: Practical implementation, presentation and oral exam
Course type: Practical
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<td>Frequency</td>
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